

Title (en)
PRODUCTION OF POLYETHYLENE HAVING IMPACT RESISTANCE

Title (de)
HERSTELLUNG VON SCHLAGFESTEM POLYETHYLEN

Title (fr)
PRODUCTION DE POLYETHYLENE RESISTANT AUX IMPACTS

Publication
EP 0958310 A1 19991124 (EN)

Application
EP 98908075 A 19980209

Priority

- EP 98908075 A 19980209
- EP 9800714 W 19980209
- EP 97101975 A 19970207

Abstract (en)
[origin: EP0857737A1] A process for producing polyethylene having impact resistance, the process comprising polymerising ethylene, or copolymerising ethylene and an alpha-olefinic comonomer comprising from 3 to 10 carbon atoms, in the presence of a chemically reduced chromium-based catalyst containing in a support thereof from 2 to 3 wt.% of titanium, based on the weight of the catalyst. The invention also provides a chromium-based catalyst for the production of polyethylene by polymerising ethylene or copolymerising ethylene and an alpha-olefinic comonomer comprising from 3 to 10 carbon atoms, the catalyst being chemically reduced and containing in a support from 2 to 3 wt.% of titanium, based on the weight of the catalyst.

IPC 1-7
C08F 10/00; **C08F 210/16**

IPC 8 full level
C08F 4/22 (2006.01); **C08F 4/24** (2006.01); **C08F 4/69** (2006.01); **C08F 10/00** (2006.01); **C08F 10/02** (2006.01); **C08F 210/16** (2006.01)

CPC (source: EP US)
C08F 10/00 (2013.01 - EP US); **C08F 210/16** (2013.01 - EP US)

Citation (search report)
See references of WO 9834963A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0857737 A1 19980812; AT E229041 T1 20021215; DE 69809886 D1 20030116; DE 69809886 T2 20030724; EP 0958310 A1 19991124; EP 0958310 B1 20021204; ES 2187008 T3 20030516; JP 2001510504 A 20010731; PT 958310 E 20030430; US 6194528 B1 20010227; WO 9834963 A1 19980813

DOCDB simple family (application)
EP 97101975 A 19970207; AT 98908075 T 19980209; DE 69809886 T 19980209; EP 9800714 W 19980209; EP 98908075 A 19980209; ES 98908075 T 19980209; JP 53377898 A 19980209; PT 98908075 T 19980209; US 2093698 A 19980209